**Index of Claims** 

09/663,501 Examiner

Son P. Huynh

Applicant(s)/Patent under Reexamination

KOREHISA ET AL.

Art Unit

2611

| <b>~</b> | Rejected |
|----------|----------|
| _        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Final   | nal                                   |          | Date   |              |  |  |          |          |          |          |  |  |  |
|---------|---------------------------------------|----------|--|--------------|--|--|----------|----------|----------|----------|--|--|--|
|         | Original                              | 8/2/05   |  |              |  |  |          |          |          |          |  |  |  |
|         | 1<br>2<br>3<br>4<br>5                 | -        |  |              |  |  |          |          |          |          |  |  |  |
|         | 2                                     | √        |  |              |  |  |          |          |          |          |  |  |  |
|         | 3_                                    | Ŀ        | L  | L            |  | L  |          |          | L        |          |  |  |  |
|         | 4                                     | -        |  | ┖            |  | <u> </u>   | _        |          | ┖        | L.       |  |  |  |
|         | 5                                     | <u> </u> |  | L.           |  |  |          |          | L.       |          |  |  |  |
|         | 6<br>7                                |          | <u> </u>   | <u> </u>     | ļ  | _  | _        | <u> </u> |          |          |  |  |  |
|         | 7                                     | -        | _  | L            |  | _  | _        | <u> </u> | $\vdash$ | _        |  |  |  |
|         | 8                                     | -        | -  | H            |  |  | ┡        | H        | ⊢        |          |  |  |  |
|         | 10                                    | -        | H  | _            |  | _  | ⊢        |          | ├        | -        |  |  |  |
|         | 11                                    | -        | -  |              | -  |  | $\vdash$ | ┢        | ⊢        | -        |  |  |  |
|         | 12                                    | 1        | H  | ┢╾           | ┢  | ├  | -        | ├        | $\vdash$ |          |  |  |  |
|         | 13                                    | 1/       | <del>                                     </del> | <del> </del> |  | <del>                                     </del> | $\vdash$ | -        | -        |          |  |  |  |
| <b></b> | 9<br>10<br>11<br>12<br>13<br>14<br>15 | ・マママママン  | $\vdash$   | $\vdash$     |  | T  | $\vdash$ | $\vdash$ | $\vdash$ |          |  |  |  |
|         | 15                                    | Ĭ        |  |              |  |  |          |          |          |          |  |  |  |
|         | 16                                    | Ţ        |  |              | Г  |  |          |          |          | -        |  |  |  |
|         | 17                                    | V        |  |              | Г  |  |          |          |          |          |  |  |  |
|         | 16<br>17<br>18                        | V        |  |              |  |  |          | П        |          |          |  |  |  |
|         | 19                                    | V        | _  |              | Г  |  |          |          |          |          |  |  |  |
|         | 20                                    |          |  |              | Г  |  |          |          |          |          |  |  |  |
|         | 21                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 22                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 19<br>20<br>21<br>22<br>23<br>24      |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 24                                    |          |  |              |  |  |          |          |          | L        |  |  |  |
|         | 25<br>26                              |          | _  | <u> </u>     |  |  | L        |          | _        | _        |  |  |  |
|         | 26                                    |          | <u> </u>   | <u> </u>     |  | L  |          |          |          | _        |  |  |  |
|         | 27                                    |          | _  | _            | _  | <u> </u>   | <u> </u> |          |          | _        |  |  |  |
|         | 28<br>29<br>30                        | -        | <u> </u>   | L            |  | L  | $\vdash$ | _        | _        | <u> </u> |  |  |  |
|         | 29                                    | -        | <u> </u>   | <u> </u>     | _  | <u> </u>   | _        |          |          | <u> </u> |  |  |  |
|         | 30                                    |          | <u> </u>   |              | <u> </u>   | _  | ├        | <u> </u> | <u> </u> | <u> </u> |  |  |  |
|         | 31<br>32<br>33                        | _        | ⊢  | H            | $\vdash$   | $\vdash$   | -        | _        | -        | _        |  |  |  |
|         | 32                                    |          | _  | $\vdash$     | ┝  | $\vdash$   | -        | -        | ├─       |          |  |  |  |
|         | 3/                                    | H        | -  | -            | ŀ  | <del> </del>                                     | -        | $\vdash$ | -        | ├-       |  |  |  |
|         | 34<br>35                              |          |  | $\vdash$     | $\vdash$   | $\vdash$   | ┝        | ┝        | $\vdash$ | ┢        |  |  |  |
|         | 36                                    |          | Н  | $\vdash$     | $\vdash$   | <del>                                     </del> | -        | ├─       | -        | $\vdash$ |  |  |  |
|         | 36<br>37                              | -        | H  |              | $\vdash$   | <del>                                     </del> | ┢        | Η-       | -        | $\vdash$ |  |  |  |
|         | 38                                    |          | П  | Т            | <del>                                     </del> | $\vdash$   |          | H        |          |          |  |  |  |
|         | 39                                    |          |  |              |  | <u> </u>   |          | $\vdash$ |          |          |  |  |  |
|         | 40                                    |          |  |              |  |  |          | $\vdash$ |          |          |  |  |  |
|         | 41                                    |          |  |              |  | _  |          |          |          |          |  |  |  |
|         | 42                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 43                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         |                                       |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 44                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 45                                    |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 45<br>46                              |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 45<br>46<br>47                        |          |  |              |  |  |          |          |          |          |  |  |  |
|         | 45<br>46                              |          |  |              |  |  |          |          |          |          |  |  |  |

| Cla      |          |          |          |          |          | Date     | _        |          |          |          |    |          | ıim            |                  |          |          | L        | Date     | 7        |          |                      |                 |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|----------|----------------|------------------|----------|----------|----------|----------|----------|----------|----------------------|-----------------|
| = I      | =        |          |          |          |          |          |          |          |          |          |    |          |                |                  | T        |          |          |          |          |          |                      |                 |
| 9        | Original | 8/2/05   |          | l        |          |          |          |          |          |          |    | ত্র      | Original       |                  |          |          |          |          |          |          |                      |                 |
| <u> </u> | ij       | 8/2      |          |          |          |          |          |          |          |          |    | Final    | rig            |                  |          |          |          |          |          |          |                      |                 |
| ļ        | 0        | ~        |          |          |          |          |          |          |          |          |    |          |                |                  |          |          |          |          |          |          |                      |                 |
| $\dashv$ | 1        | -        |          |          |          |          |          |          | Г        |          |    |          | 51<br>52<br>53 | Н                | $\dashv$ | _        |          |          |          |          |                      |                 |
| 7        |          | 1        |          | H        |          |          |          | -        | $\vdash$ |          |    |          | 52             |                  | $\dashv$ |          |          | <u> </u> | $\vdash$ | -        | -                    | -               |
| _        | 3        | -        |          |          |          |          |          |          | H        |          |    |          | 53             |                  |          |          | _        | -        |          |          | $\vdash$             | _               |
| ┪        | 4        | -        | -        | ┢╾       |          | -        | -        |          | <u> </u> |          |    | -        | 54             | $\vdash$         | $\dashv$ | -        | _        | ┢        |          |          | -                    |                 |
| $\dashv$ | 5        | -        |          | $\vdash$ |          | -        |          |          | $\vdash$ | _        |    |          | 55             | -                | -+       | -        | _        | -        | _        |          | $\vdash$             | Н               |
| +        | 6        | -        |          | -        |          | -        | -        |          | -        | -        | 1  |          | 56             | <del>  -  </del> | -        | _        |          | -        | -        | $\vdash$ | _                    | Н               |
| $\dashv$ | 7        | -        | -        | -        | -        | -        | $\vdash$ |          | -        | ├-       |    |          | 57             | $\vdash$         | -        | -        |          | H        |          | $\vdash$ |                      |                 |
| $\dashv$ | 8        | -        |          | $\vdash$ |          | _        | $\vdash$ |          |          | _        |    |          | 58             | $\vdash$         | $\dashv$ |          | _        | -        | -        |          |                      | _               |
| +        | 9        | -        |          | $\vdash$ |          |          |          |          | Н        |          |    |          | 59             | -                | -+       |          | _        | -        |          |          | -                    |                 |
| $\dashv$ | 10       | _        |          | -        |          | -        | -        |          | -        | -        |    |          | 60             | ┝╼┼              | $\dashv$ | _        | _        |          |          |          |                      |                 |
| -        | 11       | -        |          |          | -        | _        |          |          |          |          |    |          | 61             |                  | +        |          | _        | _        | _        |          | _                    | _               |
| +        | 11       | , .      | _        | ├        | ┝        | -        |          |          | $\vdash$ | _        |    |          | 01             | $\vdash$         | $\dashv$ |          |          | -        | -        |          |                      |                 |
| +        | 12       | √        | _        |          |          | <u> </u> | ├-       |          | _        | _        |    |          | 62<br>63       | $\vdash$         | $\dashv$ |          |          | _        |          | _        |                      | -               |
| -        | 13       | <b>√</b> |          |          |          | _        |          |          |          | _        |    |          | 63             | ⊢⊹               | -        | _        |          |          | _        | _        |                      |                 |
| $\dashv$ | 14       | √,       | _        |          |          |          | _        |          |          |          |    |          | 64             | ┝┷               | 4        | _        |          |          |          | _        |                      |                 |
| 4        | 15       | √        | L        |          |          |          |          |          |          | L.       |    |          | 65             |                  | 4        | _        |          |          |          |          |                      |                 |
| 4        | 16       | V        |          |          | L.       | _        | _        |          | _        | _        |    |          | 66             | $\sqcup$         | 4        |          |          |          | _        | _        |                      |                 |
| 4        | 17       | ✓        |          |          | _        | L        |          |          |          |          |    |          | 67             | Ш                | 4        |          |          | L        |          |          |                      |                 |
| 4        | 18       | ✓        |          |          | _        | L.       |          |          |          |          |    |          | 68             | Ш                | _        |          |          |          |          | _        |                      |                 |
| $\perp$  | 19       | <        |          | L        |          |          |          |          |          |          |    |          | 69             |                  |          |          |          |          |          |          |                      |                 |
|          | 20       |          |          | L        | L        |          |          |          |          |          |    |          | 70             |                  |          |          |          |          |          |          |                      |                 |
|          | 20<br>21 |          |          |          | <u> </u> |          |          |          |          |          |    |          | 71             |                  |          |          |          |          |          |          |                      |                 |
|          | 22       |          |          |          |          |          |          |          |          |          |    |          | 72             |                  |          |          |          |          |          |          |                      |                 |
|          | 23       |          |          |          |          |          |          |          |          |          |    |          | 73             |                  | $\neg$   |          |          |          |          |          |                      |                 |
|          | 23<br>24 |          |          |          |          |          |          |          |          |          |    | i        | 74             |                  | $\Box$   |          |          |          |          |          |                      |                 |
|          | 25       |          |          |          |          |          |          |          |          |          |    |          | 75             |                  |          |          |          |          |          |          |                      |                 |
|          | 26       |          |          |          |          |          |          |          |          |          |    |          | 76             |                  | П        |          |          |          |          |          |                      |                 |
|          | 27       |          |          |          |          |          |          |          |          |          |    |          | 77             |                  |          |          |          |          |          |          |                      |                 |
| $\neg$   | 28       |          |          |          |          |          |          |          |          |          |    |          | 78             |                  |          |          |          |          |          |          |                      |                 |
|          | 29       |          |          |          |          |          |          |          |          |          |    |          | 79             |                  | T        |          |          |          |          | -        |                      |                 |
| 寸        | 30       |          |          | ·        |          |          |          |          |          |          | l  |          | 80             |                  | _        |          |          |          |          |          |                      |                 |
| _        | 31       |          |          |          |          |          |          | _        |          | Г        |    |          | 81             | T                | 1        |          |          |          |          |          | _                    |                 |
| 十        | 32       |          |          |          | Т        | Г        | _        | _        |          | $\vdash$ |    |          | 82             | Ħ                | 1        |          |          |          |          | _        | _                    |                 |
| $\dashv$ | 33       |          |          |          |          |          |          | _        | $\vdash$ | $\vdash$ |    |          | 83             |                  | 寸        |          |          |          |          | _        | _                    | $\neg$          |
| 7        | 34       |          |          | -        | H        |          |          |          | _        | ┢        |    | $\neg$   | 84             | $\vdash$         | +        |          | _        | -        |          |          | _                    |                 |
| 寸        | 34<br>35 |          |          |          |          |          |          |          |          |          | 1  | -+       | 84<br>85       | $\vdash$         |          |          |          |          |          |          | -                    |                 |
| $\dashv$ | 36       | $\vdash$ |          | $\vdash$ |          | -        | Н        | -        | -        | Ι        |    |          | 86             | +                | $\dashv$ | -        | -        | -        | -        | $\vdash$ | Н                    | $\vdash$        |
| $\dashv$ | 37       | -        |          | Н        |          |          | Н        |          | -        | _        |    | $\dashv$ | 87             | $\vdash$         | $\dashv$ | -        |          | -        | -        |          | $\vdash$             | $\vdash$        |
| +        | 38       | $\dashv$ |          | $\vdash$ | $\vdash$ | $\vdash$ | H        |          |          |          |    |          | 87<br>88       | -                | $\dashv$ | -        |          |          |          |          | $\vdash$             | $\vdash$        |
| +        | 39       | $\dashv$ |          |          | $\vdash$ | -        |          |          |          |          |    |          | 89             | $\dashv$         | +        | _        |          | $\vdash$ |          |          | Н                    | $\vdash \vdash$ |
| -        | 40       |          | _        | -        |          | -        |          | _        |          | _        | ╽  |          | 90             | $\dashv$         | $\dashv$ | ┪        | _        | _        |          |          |                      | $\vdash$        |
| $\dashv$ | 41       | $\neg$   | -        |          | $\vdash$ |          | _        |          | _        |          |    |          | 91             | -                | $\dashv$ | -        |          | _        |          |          | -                    | -               |
| $\dashv$ | 42       |          |          |          |          | -        |          | _        | H        | -        |    |          | 92             | $\dashv$         | +        |          |          | <b>-</b> |          |          | $\vdash$             | $\dashv$        |
| $\dashv$ | 43       | $\dashv$ | $\dashv$ | $\vdash$ |          |          | $\vdash$ |          | $\vdash$ | -        | }  |          | 93             | $\vdash$         | +        | $\dashv$ |          | -        | -        |          | H                    | $\dashv$        |
| +        | 44       |          | -        |          |          | Н        | $\dashv$ |          | $\vdash$ | -        |    |          | 94             |                  | +        | $\dashv$ |          | H        | -        |          | $\vdash\vdash\vdash$ | $\dashv$        |
| $\dashv$ | 45       | -        |          |          | -        | Н        |          |          | -        |          |    |          | 95             | +                | +        | $\dashv$ |          | Н        | $\vdash$ |          | Н                    | $\dashv$        |
| +        | 46       | -        | -        | -        | _        | $\vdash$ |          |          | $\vdash$ | -        |    |          | 96             | $\vdash$         | +        | $\dashv$ | _        | Н        |          | -        | -1                   |                 |
| $\dashv$ | 47       |          | $\dashv$ |          |          | Н        | -        | -        | -        |          |    |          |                |                  |          |          |          |          | Н        |          | $\vdash$             | $\dashv$        |
| +        |          | -        | _        | -        | -        | Н        | Щ.       | $\dashv$ | _        |          |    |          | 97             | -                | +        | -        |          | Н        | $\vdash$ |          | $\square$            |                 |
| -        | 48       | $\dashv$ |          | -        |          | Н        |          | $\dashv$ | Ш        |          | ١, |          | 98             | -                | -+       | _        | $\dashv$ | $\vdash$ | _        |          |                      | _               |
| -        | 49       | $\dashv$ |          | $\dashv$ |          | $\vdash$ | $\dashv$ | -        | $\dashv$ |          | -  |          | 99             | -                | -        | _        | $\dashv$ | -        |          | -        |                      | $\dashv$        |
|          | 50       | 1        |          |          |          |          |          |          |          |          | L  |          | 100            | Щ.               |          | _        |          |          |          |          |                      |                 |

| Cl    | aim   |               |  |  | . [      | Date     | е             |              |  |                 |  |
|-------|---|---------------|--|--|----------|----------|---------------|--------------|--|-----------------|--|
| Final | Original                                      | •             |  |  |          |          |               |              |  |                 |  |
|       | 101<br>102<br>103                             |               |  |  |          |          |               |              |  | П               |  |
|       | 102   | <u> </u>      | Г  | _  |          | <u> </u> |               |              |  | П               |  |
|       | 103   |               |  | Г  |          |          |               |              | _  | П               |  |
|       | 104   |               |  |  |          |          |               |              |  | П               |  |
|       | 105   |               |  |  |          |          |               |              |  |                 |  |
|       | 105<br>106                                    | ·             |  |  |          |          |               |              |  |                 |  |
|       | 107   |               |  |  |          |          |               |              |  | Ш               |  |
|       | 108<br>109                                    | _             | L_   |  | L        | _        | L_            |              |  | Ш               |  |
|       | 109   | _             | <u> </u>   |  | _        | <u> </u> | ļ             | ļ            | <u> </u>   | Н               |  |
|       | 110   | _             | ┡  | <u> </u>   | <u> </u> | L        | ₩             | <u> </u>     | ļ  | Н               |  |
|       | 111<br>112<br>113<br>114<br>115<br>116        | $\vdash$      | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | -             | -            |  | $\vdash \vdash$ |  |
|       | 112   | $\vdash$      | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$      | <del> </del> | Ι  | $\vdash$        |  |
| -     | 114   | $\vdash$      | -  | ├  | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$   | $\vdash$        |  |
|       | 115   | $\vdash$      | -  | ├  | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$   | Н               |  |
|       | 116   | $\vdash$      | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$      | ┢╌           | <del>                                     </del> | $\vdash$        |  |
|       | 117   | $\vdash$      | $\vdash$   | ┢─   | ┢        | $\vdash$ | $\vdash$      | H            |  | Н               |  |
|       | 118   |               |  |  |          |          |               | -            | -  | Н               |  |
|       | 119<br>120<br>121                             |               | <del>                                     </del> | <del>                                     </del> |          | _        | 1             | -            |  | H               |  |
|       | 120   | Г             |  |  |          |          |               |              |  | П               |  |
|       | 121   |               |  |  |          |          | Г             |              | _  | П               |  |
|       | 122   |               |  |  |          |          |               |              |  | П               |  |
|       | 122<br>123<br>124                             |               |  |  |          |          |               |              |  |                 |  |
|       | 124   |               |  |  |          |          |               |              |  |                 |  |
|       | 125   |               | <u> </u>   | L  | _        |          | L             | L_           | _  | Ш               |  |
|       | 126   |               |  |  |          | _        | _             | <u> </u>     |  | Щ               |  |
|       | 127   | <u> </u>      |  |  | _        | _        | _             |              | _  | Ш               |  |
|       | 128   | -             | _  | _  |          | <b> </b> |               |              | <del> </del>                                     | Н               |  |
|       | 129   |               | -  | ļ  | ├-       | ├—       | ├             | <u> </u>     | _  | $\vdash\vdash$  |  |
|       | 125<br>126<br>127<br>128<br>129<br>130<br>131 |               | _  |  | -        | _        |               | -            |  | H               |  |
|       | 132   | ├             | -  |  | ├        | ├─       |               | ├—           | -  | Н               |  |
|       | 133   | -             |  | _  | ┝        | ┢        | -             |              | _  | Н               |  |
| -     | 133<br>134                                    | ┢             | -  |  |          |          |               | -            |  | Н               |  |
|       | 135   | $\vdash$      | $\vdash$   | <u> </u>   | <u> </u> | $\vdash$ | $\vdash$      |              |  | Н               |  |
|       | 136   | $\vdash$      | $\vdash$   | Τ  | T        | T        | $\vdash$      |              |  | Н               |  |
|       | 137   | T .           |  |  | T        |          |               | $\vdash$     |  | П               |  |
|       | 136<br>137<br>138                             |               |  |  |          |          |               |              |  |                 |  |
|       | 139   |               |  |  |          |          |               |              |  |                 |  |
|       | 140   | $\sqsubseteq$ |  |  | 匚        | L        | 匚             |              |  | Ш               |  |
|       | 141   | L             |  | _  | L        | L        | _             |              | <u> </u>   | Ш               |  |
|       | 142   | <u> </u>      | <u> </u>   | <u> </u>   | ļ        | <u> </u> | _             | <u> </u>     | <u> </u>   | Ш               |  |
| -     | 143   | <u> </u>      | <u> </u>   | <u> </u>   | <u> </u> | <u> </u> | <u> </u>      |              |  | Щ               |  |
|       | 144   | <u> </u>      | $\vdash$   | -  |          | _        | <u> </u>      | _            | <del> </del>                                     | Щ               |  |
|       | 145   | H             | <u> </u>   | H  | <u> </u> | <u> </u> | <u> </u>      |              | <u> </u>   | Н               |  |
|       | 146<br>147                                    | <u> </u>      |  |  |          | <u> </u> | <u> </u>      | _            | $\vdash$   | $\vdash \dashv$ |  |
|       | 148   | $\vdash$      | <u> </u>   | -  |          | $\vdash$ | $\vdash$      |              | $\vdash$   | Н               |  |
|       | 149   | -             |  | $\vdash$   | $\vdash$ | H        | <del> -</del> | _            | $\vdash$   | $\vdash$        |  |
|       | 150   |               |  | $\vdash$   | -        | -        |               | _            | -  | _               |  |
|       | 100   |               |  |  |          |          |               |              | L  | ıl              |  |